

REMARKS/ARGUMENTS

The Applicant originally submitted Claims 1-50 in the application. The Examiner has indicated that Claims 1-5 and 11-50 have been allowed and that Claims 9-10 would be allowed if rewritten in independent form. To expedite issuance, the Applicant has amended independent Claim 6 and dependent Claim 9 in the present response to place the application in condition for allowance. No other claims have been amended, canceled or added. Accordingly, Claims 1-50 are currently pending in the application.

I. Rejection of Claims 6-8 under 35 U.S.C. §102

The Examiner has rejected Claims 6-8 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,732,107 to Phillips, *et al.* The Applicant has avoided this ground of rejection since independent Claim 6 has been amended to render the rejection moot.

More specifically, Phillips does not teach a method of interpolating a one-bit input signal including developing a plurality of samples within a sample range employing a linear interpolation filter as recited in amended independent Claim 6. Instead, Phillips teaches a FIR interpolator that uses a zero order hold technique to add new samples between original input samples to provide a FIR interpolated signal that is received by a Spline interpolator. The Spline interpolator performs Spline interpolation on the FIR interpolated signal to produce a FIR-Spline interpolated signal. (See column 4, lines 8-19 and 53-61, and column 5, line 7 to column 8, line 58.) Thus, Phillips teaches employing a FIR interpolator and a Spline interpolator but does not teach employing a linear interpolation filter for developing a plurality of samples within a sample range.

Therefore, Phillips does not disclose each and every element of independent Claim 6 and Claim 7-8 which depend thereon. As such, Phillips is not an anticipating reference of Claims 6-8. Accordingly, the Applicant respectfully requests the Examiner to withdraw the §102 rejection with respect to Claims 6-8 and allow issuance thereof.


II. Conclusion

In view of the foregoing amendment and remarks, the Applicant now sees all of the Claims currently pending in this application to be in condition for allowance and therefore earnestly solicits a Notice of Allowance for Claims 1-50.

The Applicant requests the Examiner to telephone the undersigned attorney of record at (972) 480-8800 if such would further or expedite the prosecution of the present application.

Respectfully submitted,

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